

IN THE CLAIMS:

Please amend claims 13 and 20 and cancel claim 19 without prejudice as follows:

1-12. (Canceled)

13. (Currently Amended) An optical pickup head which makes a fine movement by a driver, and focuses an incident laser beam to a recording medium for recording/reproducing a data, the optical pickup head comprising:

a single micro mirror having at least one approximately 45° mirror surface for reflecting the incident laser beam perpendicular to an incident direction such that only one micro mirror is mounted in the optical pickup head;

a focusing lens under the micro mirror for primary focusing of the laser beam reflected at the micro mirror;

an SIL (Solid Immersion Lens) under the focusing lens for secondary focusing of the laser beam focused by the focusing lens;

a supporting frame for integrating the micro mirror, the focusing lens and the SIL (Solid Immersion Lens) such that the micro mirror, focusing lens and SIL are held stationary with respect to each other and movement of the supporting frame is controllable by a single driver; and

an air-bearing surface formed under the supporting frame for making the supporting frame buoyant,

wherein the supporting frame comprises a first opening having a side surface sloped at a fixed angle such that an upper width of the first opening is greater than a lower width of the first opening for supporting the focusing lens, and a second opening for supporting the SIL.

14. (Original) An optical pickup head as claimed in claim 13, wherein the 45° mirror surface of the micro mirror has a highly reflective metal coating applied thereto.

15. (Original) An optical pickup head as claimed in claim 13, wherein the micro mirror is formed of a silicon substrate.

16. (Previously presented) An optical pickup head as claimed in claim 15, wherein the silicon substrate is a 9.74° off-axis silicon wafer.

17. (Canceled)

18. (Original) An optical pickup head as claimed in claim 13, wherein the 45° mirror surface of the micro-mirror, a focus plane of the focusing lens, and a focus plane of the SIL are aligned in parallel.

19. (Canceled)

20. (Currently amended) An optical pickup head as claimed in claim 19, wherein the second SIL is fitted in the at least one opening has a side surface at a fixed angle such that an upper width of the second opening is greater than a lower width of the second openings supporting frame.

21. (Previously presented) An optical pickup head as claimed in claim 16, wherein the size of the micro mirror is determined by a pattern size of a front etch mask thin film and a thickness of the off-axis silicon wafer during a photolithography semiconductor fabrication process.